



Me mōhio koe
ki ō tūraru

KŌWAE AKO 5 TE AROMATAWAI I Ō TŪRARU

Kua tautohua e koe ngā tūraru whai hāngai ki te āhuarangi kei mua i te aroaro o tō pakihi. Nā, kua tae te wā ki te aromatawai me te whakaraupapa i ēnei tūraru, kia mōhio ai koe ki te hiranga o aua tūraru me te whakaarotahi i ō kohakoha urutaunga.

Te mārama ki ngā taumata tūraru

Mā te whakatau i ō tūraru whai hāngai ki te āhuarangi e taea ai e koe te tātari i te pānga o ērā ki tō pakihi, me te whakaraupapa anō hoki i aua tūraru. Me hoki atu koe ki ngā tūraru i tautohua i a Kōwae Ako 4, ā, whakaritea he whakatauranga ki ia tūraru, ki ia tūraru. Mehemea kua oti kē i a koe he rēhita tūraru, ka riro pea tērā hei wāhi tīmata whaipainga.

Kua oti i a koe te whakarite i tētahi anga whakahaere tūraru hinonga? Ka taea e koe te whakahāngai i te āwhata whakatauranga tūraru ki ēnei. Mehemea kāore, e tūtohu ana mātou kia whakamahia he āwhata ine pū-toru:

TŪRARU ITI NOA

He mutunga whāiti ka pā ki ō whakahaere pakihi, ki ō pūtea rānei, ki tō ingoa pai rānei e tika ana kia whakatikaina engari kāore e tīnga ki te tino tauwhati i tō pakihi.

TŪRARU ĀHUA NGĀWARI

He mutunga āhua ngāwari ka pā ki ō whakahaere pakihi, ki ō pūtea rānei, ki tō ingoa pai rānei, ā, e matea ana kia āta whakaarohia kia whakatikaina, ā, me kakama te whakahaere.

TŪRARU NUI TAIOREORE

He mutunga nui taioreore ki ō whakahaere pakihi, ki ō pūtea rānei, ki tō ingoa pai rānei e tika ana kia wawe tonu te whakatika me te whakatinana i ngā rautaki whakamauru pakari.



Te whakaraupapa i ngā tūraru mō te kāhui whakahaere

Mā te whakatau i ō tūraru koe e āwhinatia ai ki te tautohu i ngā tūraru nui taioreore ki tō pakihi, e taea ai e koe te whakaraupapa i ō kohakoha me ō rauemi.

Mehemea he poto te wā, he iti anō hoki ngā rauemi, e kore e taea pea e koe te urupare ki ngā tūraru katoa me ngā arawātea. Ina whakaraupapa i ngā tūraru whai hāngai ki te āhuarangi mō te kāhui whakahaere:

- **Arotakea ngā maiki o nā tata nei:** Huritaongia ngā maiki whai hāngai ki te āhuarangi o nā noa nei, ngā wheako rānei kua heipū ki tō pakihi. Ka taea e ēnei te whakarato he māramatanga whaipainga ki te taikaha pitomata me te auau o anamata, me te tukanga whakaora whai muri i tētahi tūāhuatanga (arā, ngā rārangi wā, ngā hoapā)
- **Aromatawaingia ngā waiaro tūraru:** Me mōhio hoki he rerekē te waiaro o ia tangata, o ia SME rānei ki te tūraru, ā, e whakaawengia ana tēnei e ngā āhuatanga pēnei i te tirohanga me ngā āhuatanga whaiaro. Whakaarohia tōu ake tukunga ki te tūraru, me tōna pānga pito mata ki tō huarahi ki te whakahaere i ngā tūraru whai hāngai ki te āhuarangi.
- **Arotakea ngā mutunga:** Whakaarohia ngā mutunga o tō waiaro tūraru ki tō pakihi, ki ngā hoa mahi me ngā whānau. Aromatawaingia ka pā pēheatia tō tukunga tūraru ki te whakaawe i ngā whakatau me te tīnga o ngā rauemi ki roto i tō whakahaere.

Te aromatawai i ō tūraru



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Taputapu whakatauranga tūraru whai hāngai ki te āhuarangi

Ngā tauākī tūraru (hei tauira)	Whakatauranga tūraru			Te parahau mō tēnei whakatauranga tūraru
	Iti noa	Āhua ngāwari	Nui taioioreore	
Ka piki ake ngā pakapaka me te aha ka pā atu te mate pūwera ki ngā kaimahi. Ko te otinga ake ka iti iho te māpua o ngā kaimahi i ngā haora awatea.				Hei tauira, ngā pānga i rangona tae noa mai ki tēnei rā

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Tēnā, āta huritaongia

Mā te whai whakaaro ki ēnei take ka nui tō mārama ki ngā kōrero i tēnei kōwae ako.

- E mārama ana koe ki tō waiaro ki te tūraru?
- Kua tautohua e koe ko ēhea ngā mōrearea āhuarangi ka rahi noa atu te pā ki tō pakihi?
- Kua arotakea e koe ō tūraru, ā, kua whakaritea he whakatauranga puata he parahau hoki ki ia tūraru?
- Kua tīmata koe ki te tautohu i ngā huarahi ka taea e koe te whakaurutau i tō pakihi ki te āhuarangi hurihuri?

Mō te roanga atu o ngā pārongo

Kei te hiahia ahau he pārongo anō e pā ana ki...	Rauemi	Whārangi
Te āhua o te huringa o te āhuarangi huri noa i Aotearoa	Arotakenga Tūraru mō te Huringa Āhuarangi o Aotearoa¹⁷	37
Te āhua o te panonitanga o te āhuarangi huri noa i Tāmaki Makaurau	Tāmaki Makaurau Economic Climate Change Risk Assessment	8
Mehemea rānei taku pakihi me ngā tūāhanga hāngai e whakaraerae ana ki te waipuke	Mātai Waipuke a Te Kaunihera o Tāmaki Makaurau	All



¹⁷ Ka whakaaturia e tēnei pūrongo ngā kitenga o te Aromatawai Mōrearea Āhuarangi Hurihuri tuatahi o Aotearoa (NCCRA). Ko tā te aromatawai tūraru he whakaatu i tētahi matapae ā-motu mō te āhua o te pānga o ngā mōrearea whai hāngai ki te āhuarangi ka pā pea ki Aotearoa

Ngā Tohutoro

Wāhanga	Kōwae Ako	Ngā Tohutoro
Kupu Whakataki		Te Tari Tiaki Pūngao (2021). Climate Change and New Zealand Business: Nov 2021: eeca.govt.nz/insights/eeca-insights/climate-change-and-new-zealand-business Sustainable Business Council (2024). SBC Guide: Measure, reduce and report on your business's carbon footprint: sbc.org.nz/wpcontent/uploads/2024/06/SBC-Guide-Measure-reduce-and-report-on-your-business-carbon-footprint.pdf Te Manatū Mō Te Taiao (2021). He kupu ārahi mō te aromatawai tūraru huringa āhuarangi ā-rohe Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Te Manatū Mō Te Taiao (2022). National adaptation plan: environment.govt.nz/publications/aotearoa-new-zealands-first-national-adaptation-plan Te Manatū Mō Te Taiao (2022). Ngā mahi āhuarangi mō ngāi Māori: Te mahere urutaunga ā-motu: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan
	Ngā painga o te urutau	Queensland Government (n.d). Climate Change Risk Management Tool for Small Businesses in Queensland: qld.gov.au/data/ass-ets/pdf/file/0026/132398/ccrmt-businesses-full.pdf Business.govt.nz (n.d). Te whakamahere auroatanga me te pā whakarere: business.govt.nz/risks-and-operations/planning-for-the-unexpected-bcp/continuity-and-contingency-planning
	Ngā tūāpapa o te āhuarangi hurihuri	The Intergovernmental Panel on Climate Change (IPCC) (2021). Summary for Policymakers: https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM.pdf Manaaki Whenua (2021). He huringa ā huarangi he huringa ao: a changing climate, a changing world: landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf Ministry for Environment (2021). National Climate Change Risk Assessment: https://www.landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf NIWA (2020). Auckland region climate change projections and impacts: knowledgeauckland.org.nz/publications/auckland-region-climate-change-projections-and-impacts-revised-september-2020 Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: https://knowledgeauckland.org.nz/publications/auckland-region-climate-change-projections-and-impacts-revised-september-2020 Ministry for Environment (2021). A Guide to Local Climate Change Risk Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Ministry for the Environment (2022). Climate action for Māori: The national adaptation plan: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan NIWA (2020). Climate change and possible impacts for New Zealand: niwa.co.nz/climate-change-information-climate-solvers/climate-change-and-possible-impacts-new-zealand Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: knowledgeauckland.org.nz/publications/tamaki-makaurau-economic-climate-change-risk-assessment
	He tirohanga ao Māori	Manaaki Whenua (2021). He huringa ā huarangi he huringa ao: a changing climate, a changing world: landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf Ministry for Environment (2021). A Guide to Local Climate Change Risk Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Ministry for the Environment (2022). Climate action for Māori: The national adaptation plan: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: knowledgeauckland.org.nz/publications/tamaki-makaurau-economic-climate-change-risk-assessment

Me mōhio koe ki ō tūraru	Te tautohu i ō tūraru me ngā arawātea	Manaaki Whenua (2021). He huringa ā huarangi he huringa ao: a changing climate, a changing world: landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf Ministry for Environment (2021). A Guide to Local Climate Change Risk Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Ministry for the Environment (2022). Climate action for Māori: The national adaptation plan: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: knowledgeauckland.org.nz/publications/tamaki-makaurau-economic-climate-change-risk-assessment
	Te aromatawai i ō tūraru	Manaaki Whenua (2021). He huringa ā huarangi he huringa ao: a changing climate, a changing world: landcareresearch.co.nz/assets/researchpubs/He-huringa-ahuarangi-he-huringa-ao-a-changing-climate-a-changing-world.pdf Ministry for Environment (2021). A Guide to Local Climate Change Risk Assessments: environment.govt.nz/publications/a-guide-to-local-climate-change-risk-assessments Ministry for the Environment (2022). Climate action for Māori: The national adaptation plan: environment.govt.nz/publications/climate-action-for-maori-the-national-adaptation-plan Tātaki Auckland Unlimited (2021). Tāmaki Makaurau Economic Climate Change Risk Assessment: knowledgeauckland.org.nz/publications/tamaki-makaurau-economic-climate-change-risk-assessment
Whakamaheretia, mahia, arotakea	Te whakatakoto i tāu mahere urutaunga	Business.govt.nz (n.d). Continuity and contingency planning: business.govt.nz/risks-and-operations/planning-for-the-unexpected-bcp/continuity-and-contingency-planning
	Te arotake i tāu mahere urutaunga	UK Climate Impacts Programme (UKCIP) (n.d). AdaptME toolkit: ukcip.org.uk/wp-content/PDFs/UKCIP-AdaptME.pdf